Converting Colors

CIELCh(50, 12.977, 152.681)

Have a look what the booklet for CIELCh(50, 12.977, 152.681) contains.

Color

CIELCh(50, 12.527, 153.773)

Conversions

Format	Color
Hex	667C6D
RGB	102, 124, 109
RGB Percent	40%, 49%, 43%
CMY	0.5991, 0.5128, 0.5717
CMYK	0.18, 0.00, 0.12, 0.51
HSL	139°, 10%, 44%
HSV	139°, 18%, 49%
XYZ	15.5127, 18.4187, 17.2679
YIQ	115.7120, -8.2970, -9.3290

Conversions Part 1

Conversions

Conversions Part 2

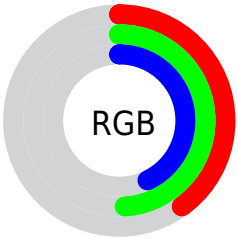
Format	Color
RYB	102, 119, 124
Decimal	6716525
CIELab	50.00, -11.24, 5.54
CIELCh	50, 12.527, 153.773
Yxy	18.4187, 0.3030, 0.3597
Android (android.graphics.Color)	4284906605 (0xFF667C6D)
YUV	115.7120, -3.3090, -12.0254
Hunter-Lab	42.9170, -10.5844, 6.1862

Details

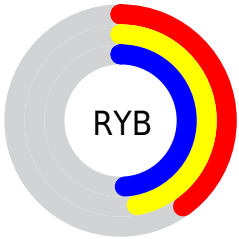
The CIELCh color 50, 12.527, 153.773 is a dark color, and the websafe version is hex 666666. A complement of this color would be 46, 12.630, 336.214, and the grayscale version is 49, 0.007, 296.813.

A 20% lighter version of the original color is 70, 13.048, 153.015, and 30, 12.137, 154.461 is the 20% darker color. If you saturate the color by 10%, you get 49, 19.597, 152.907, and if you desaturate by 10%, it is 51, 5.436, 154.551.

Distribution

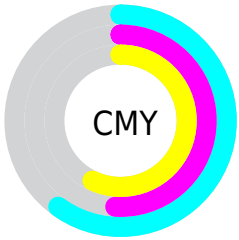


- Red (40%)
- Green (49%)
- Blue (43%)



- Red (40%)
- Yellow (47%)
- Blue (49%)

- Cyan (18%)
- Magenta (0%)
- Yellow (12%)
- Black (51%)



- Cyan (60%)
- Magenta (51%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 12.527, 153.773 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 12.527, 153.773 by changing the saturation by 10% instead.

50, 12.527, 153.773

100, 12.527, 153.773

70, 12.527, 153.773

80, 12.527, 153.773

90, 12.527, 153.773

50, 12.527, 153.773

40, 12.527, 153.773

30, 12.527, 153.773

20, 12.527, 153.773

10, 12.527, 153.773

0, 12.527, 153.773

50, 12.527, 153.773

50, 12.527, 153.773

49, 19.597, 152.907

48, 26.547, 151.924

47, 33.270, 150.800

47, 39.644, 149.518

46, 45.546, 148.064

46, 50.868, 146.436

45, 55.522, 144.650

45, 59.542, 142.831

45, 60.412,

51, 5.436, 154.551

52, 1.606, 335.021

54, 8.539, 335.735

55, 15.324, 336.277

57, 21.932, 336.758

58, 28.349, 337.193

60, 34.565, 337.588

62, 40.580, 337.951

64, 46.397, 338.286

142.463

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

50, 12.527, 153.773

46, 12.630, 336.214

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

50, 12.527, 153.773

50, 12.527, 203.773

50, 12.527, 333.773

50, 12.527, 23.773

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

50, 12.528, 153.772

65, 4.339, 154.754

51, 13.074, 121.478

34, 2.985, 154.708

84, 0.010, 296.813

35, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

50, 12.528, 153.772

63, 18.334, 153.458

50, 8.894, 183.061

25, 3.923, 154.449

45, 60.682, 142.450

87, 104.876, 141.297

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

46, 12.630, 336.214

57, 18.508, 336.493

45, 9.551, 6.166

24, 3.944, 335.590

27, 54.156, 345.457

56, 90.247, 346.711

Previews

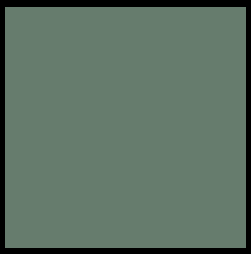
White Background

This preview shows how the CIELCh color 50, 12.527, 153.773 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

Black Background



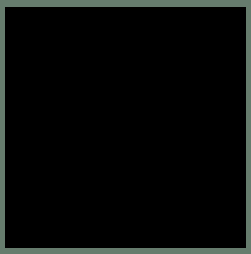
This preview shows how the CIELCh color 50, 12.527, 153.773 looks on a black background.

Color Contrast Check

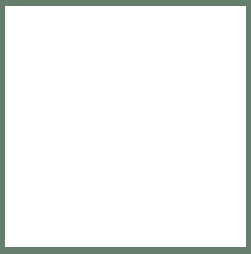
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 50, 12.527, 153.773 Background



This preview shows how black text looks on a background with the CIELCh color 50, 12.527, 153.773.

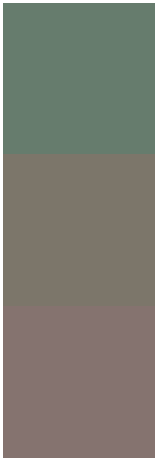


This preview shows how white text looks on a background with the CIELCh color 50, 12.527, 153.773.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy



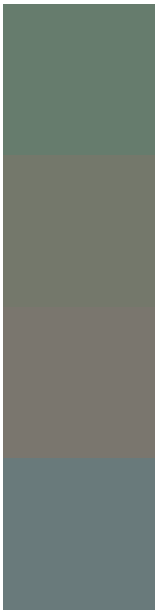
Original Color
50, 12.527, 153.773

Protanopia
50, 7.430, 89.366

Deuteranopia
50, 7.914, 37.228

Tritanopia
50, 8.005, 246.172

Trichromacy



Original Color
50, 12.527, 153.773

Protanomaly
50, 7.764, 121.514

Deuteranomaly
50, 4.942, 89.926

Tritanomaly
50, 6.569, 203.890

Monochromacy

Original Color
50, 12.527, 153.773

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.381, 157.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 12.527, 153.773 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(102, 124, 109) looks like.

```
.text, #text, p{
    color:rgb(102, 124, 109)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(102, 124, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 124, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 12.527, 153.773 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 124, 109) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(102, 124, 109) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(102, 124, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 124, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 124, 109); box-shadow:4px 4px 4px 4px rgb(102, 124, 109) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 12.527, 153.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(102, 124, 109) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(102,
124, 109) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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